

PATENT #6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Allen BORONKAY et al.

Serial No.:

09/894,985

Examiner:

Unassigned

Confirmation No.: 3804

Art Unit:

Unassigned

Filed:

June 27, 2001

For:

POSITION SENSOR WITH RESISTIVE ELEMENT

Commissioner for Patents Washington, D.C. 20231

# REVOCATION AND NEW POWER BY ASSIGNEE AND STATEMENT UNDER 37 C.F.R. §3.73(b)

The Assignee (Immersion Corporation) of the entire right, title, and interest in the above-identified application hereby revokes all previously granted powers and grants the registered practitioners of Cooley Godward LLP included in Customer Number (1), and the registered practitioners of Immersion Corporation included in Customer Number (2) provided below, power to act, prosecute, and transact all business in the U.S. Patent and Trademark Office in connection with this application, any applications claiming priority to this application, and any patents issuing therefrom.

The Assignee certifies that to the best of its knowledge and belief it is the owner of the entire right, title, and interest in and to the above-identified application as evidenced by:

[x] Assignment documents, copies of which are enclosed herewith	[x]	Assignment of	locuments, copies	of which are e	enclosed herewith
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[]	An assignment	previously	recorded	in	the	U.S.	Patent	and	Trademark
	Office at Reel/F	rame	<u> </u>						

Please change the attorney docket number of the above application to:

**IMMR-059/00US** 





### Attorney Docket No. IMMR-059/00US Serial No. 09/894,985 Page 2

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Please direct all telephone calls and correspondence to:

Cooley Godward LLP ATTN: Patent Group 11951 Freedom Drive

One Freedom Square-Reston Town Center

Reston, VA 20190-5656 Telephone: (703) 456-8000 Facsimile: (703) 456-8100

CUSTOMER NUMBER (1): 22903

CUSTOMER NUMBER (2): 34300

Pursuant to 37 CFR § 3.73(b)(2)(i), the undersigned is authorized to act on behalf of the assignee.

Date: 3/13/2003

Signature:

Stuart D. Smolen

Director of Intellectual Property

**Immersion Corporation** 

158833 v1/RE 3#K101!.DOC

#### ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas Virtual Technologies, Inc., a California corporation with a place of business at 801 Fox Lane, San Jose, CA 95131-1601, owns all right, title and interest to certain new and useful improvements for which have been executed applications for United States Letters Patents as set forth in the patents and patent applications listed in the attached APPENDIX A.

The undersigned duly authorized representative of Virtual Technologies, Inc. hereby:

- 1) Sell(s), assign(s) and transfer(s) to Immersion Corporation, a Delaware corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the patents and patent applications listed in the attached APPENDIX A.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said applications or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications and patents, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications and patents.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that Virtual Technologies, Inc. has not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Vit Vua	~~	
Signature /	,	_
Victor Viegas		_
Printed Name		
Chief Financia	1 Officer	_
Title		
August 19, 2002	<u>.</u>	_
Date	•	
	•	
State of California	)	
County of Santa Clara	) .	

Virtual Technologies, Inc.

On this 19<sup>th</sup> day of August, in the year 2002, before me, Kellyanne Y. Ebisui, Notary Public, personally appeared Victor Viegas, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity/ies upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kellynne U. Olfran

KELLYANNE Y. EBISUI
Commission # 1220039
Notary Public - California
San Mateo County
My Comm. Expires Jun 15, 2003

(SEAL)

## APPENDIX A

Title	Application/Patent No. Filing/Issue		
Force Feedback and Textures Simulating	5,184,319	February 2, 1993	
Force Feedback and Textures Simulating	07/929,895	August 10, 1992	
Force Feedback and Textures Simulating	5,631,861	May 20, 1997	
Force Feedback and Textures Simulating	6,059,506	May 9, 2000	
Force Feedback and Textures Simulating	09/439,766	November 15, 1999	
Determination of Kinematically Constrained Multi-Articulated Structures	07/909,570	July 6, 1992	
Determination of Kinematically Constrained Multi-Articulated Structures	5,676,157	October 14, 1997	
Determination of Kinematically Constrained Multi-Articulated Structures	6,162,190	December 19, 2000	
Determination of Kinematically Constrained Multi-Articulated Structures	09/730,056	December 5, 2000	
Determination of Thumb Position Using Measurements of Abduction and Rotation	5,482,056	January 9, 1996	
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,592,401	January 7, 1997	
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,930,741	July 27, 1999	
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	6,148,280	November 14, 2000	
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	09/712,046	November 13, 2000	
Forearm-Supported Exoskeletal Hand-Tracking Device	6,104,379	August 15, 2000	

Forearm-Supported Exoskeletal	09/565,907	May 5, 2000
Hand-Tracking Device	. 05/303,507	Way 5, 2000
Goniometer-Based Body-Tracking	6,050,962	April 18, 2000
Device and Method	-,,	1411110, 2000
Goniometer-Based Body-Tracking	6,428,490	August 6, 2002
Device and Method		
Force-Feedback Interface Device	6,042,555	March 28, 2000
for the Hand		
Force-Feedback Interface Device	6,413,229	July 2, 2002
for the Hand		
Exoskeleton Device for Directly	6,110,130	August 29, 2002
Measuring Fingertip Position and		
Inferring Finger Joint Angle		
Exoskeleton Device for Directly	09/565,730	May 5, 2000
Measuring Fingertip Position and		
Inferring Finger Joint Angle		
System and Method for	09/432,362	November 3, 1999
Constraining a Graphical Hand		
from Penetrating Simulated		
Graphical Objects		
System, Method and Data Structure	09/675,811	September 29,2000
for Simulated Interaction with		
Graphical Objects	00/027.060	
Interface for Controlling a	09/837,860	April 17, 2001
Graphical Image  Real Time Determination of	00/010 404	7.1.04.0001
	09/912,434	July 24, 2001
Simulated Interactions for Large Systems		
Position Sensor with Resistive	00/004 005	J
Element	09/894,985	June 27, 2001
Element		

(Not Accompanying Application)

Where is I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the pater application entitled:

## POSITION SENSOR WITH RESISTIVE ELEMENT

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on June 27, 2001, and which bears the Application No. 09/894,985.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to <u>Virtual Technologies</u>, Inc., a California corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: Typed Name:	Allen R. Boronkay	Date: Octobulle, 2001
2)	Signature: Typed Name:	Bruce M. Schena	Date: <u>10/19/01</u>
3)	Signature: Typed Name:	Christopher J. Hasser	Date: <u>180ct</u> 01